2 Pack Seed Tender User's Manual

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*** Important ***
Read User's Manual Completely Prior to Operating, Towing, or Servicing Tender

2 Pack Seed Tender

CUSTOMER: _____

SERIAL # _____

V.I.N. _____

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Additional User Manual's

-Honda 390 Operator/Owner Manual

-KSI Conveyor Manual

Note: This manual supersedes any other information supplied by Par-Kan Company before this date, and is good only for serial numbers listed in the manual.

Par-Kan Company - 2 Pack
One Year Warranty

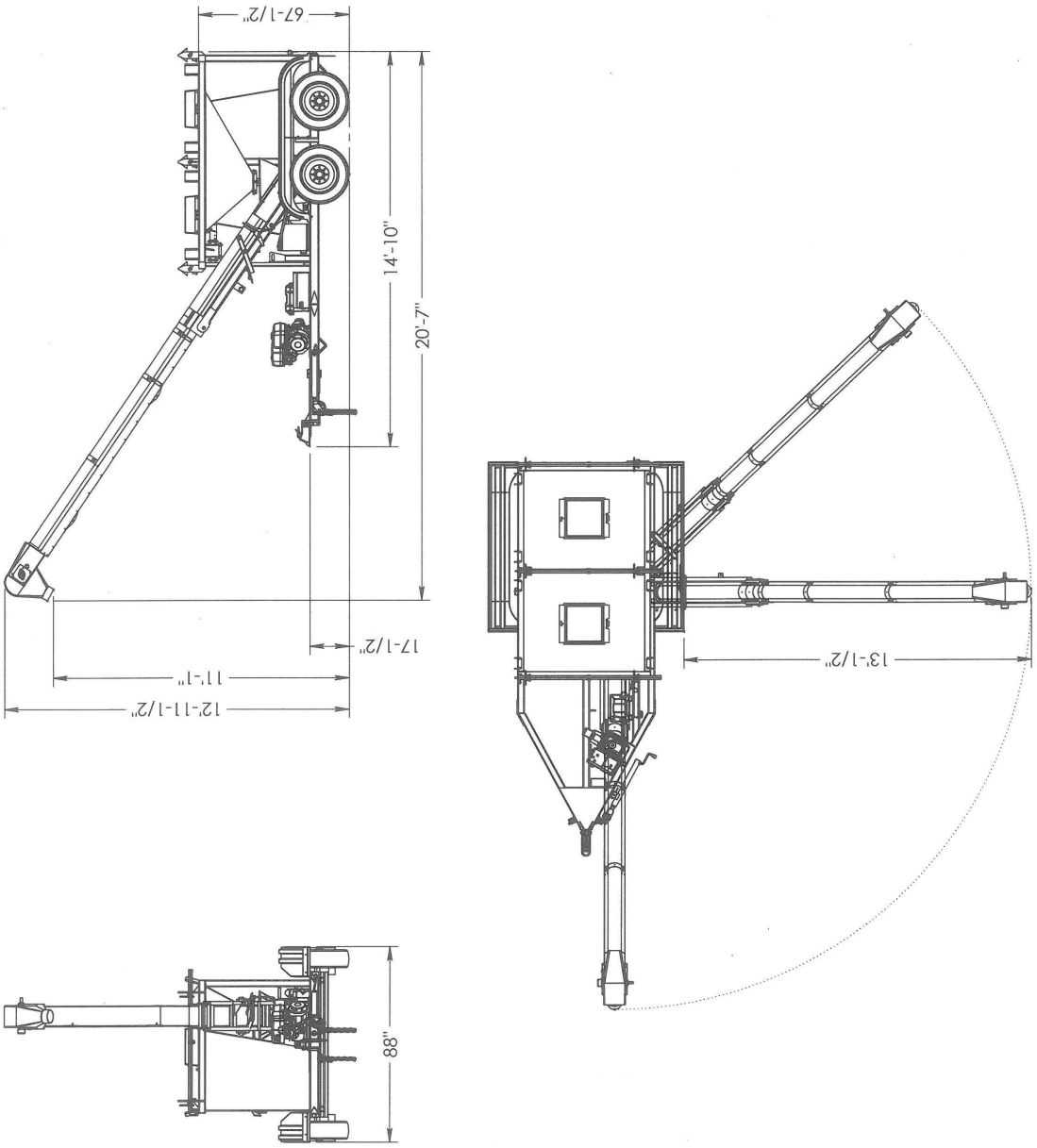
Par-Kan Company's Equipment is warranted to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of purchase as dated on 2 Pack original invoice.

Par-Kan Company will replace during the warranty period, subject to an examination by an authorized representative of Par-Kan Company, any warranted part which proves defective in material and/or workmanship under normal installation, use, and service. Parts must be returned, and transportation charges prepaid to our factory. Any changes to the 2 Pack equipment as a result of modifications, misuse, abuse, neglect, accident, vandalism, fire, flood, other acts of God, or improper installation will void this warranty. Treating seed in unit will void the warranty. Par-Kan is not responsible with seed used in any unit.

If Par-Kan receives notice of any such defect during the warranty period. Par-Kan will, at its discretion, repair or replace components which prove to be defective. Other manufacturer's warranties may apply for components installed on 2 Pack equipment. Par-Kan makes no other warranty, either expressed or implied, with respect to this product. Any special, incidental, or consequential damages arising from any breach of warranty are specifically excluded hereunder.
Manufacturer's Warranties:

Axles, 1 Year Warranty
Honda 390, 3 Year Warranty
KSI Conveyor—All service work performed by KSI

Dimensions for a 18 ft. Conveyor Length



2 Pack General Specifications & Features

1.	Capacity	2 Box
2.	Discharge Rate:	Speed 18 units / min.
3.	Overall Height:	13’-1”
4.	Shipping Height:	8’-10”
5.	Overall Width:	98 1/2”
6.	Trailer Length:	17’-6”
7.	Overall Length:	23’-6”
8.	Discharge height:	10-2”
9.	Unit Empty Weight:	3100
10.	Side reach:	13’-0”
11.	Deck Height:	68”
12.	Hydraulic tank	6.5 gallon
13.	Gas tank	1.4 gallon

14. KSI conveyor—8” conveyor belt in 6” tube, 1 1/4” cleats, 18’ long.
15. Entire unit powder coated.
16. Honda Engine: 390cc 18 amp with electric start.
17. Wireless remote
18. Hydraulically Driven Conveyor Belt.
19. Appropriate DOT Standards with 24,000# safety chains.
20. 5,200# axles, all with electric brakes.
21. Tires & Wheel, 15" 8 PLY 6 HOLE 225R15
22. Hand crank jack standard
23. Ball coupler 2-5/16” rated at 25,000 lbs.
24. Towing Capacity 8,800 Maximum.
25. **Towing Vehicle Hitch MUST be Rated at 8,800 lbs**.

2 Pack Safety and Operating Precautions

1. Observe all safety precautions listed in this manual.
2. No riders.
3. Stand clear of all moving parts while in operation.
4. Make no adjustments while cart is running.
5. The tender must be hitched prior to loading, and should be on level ground while loading.
6. Do not load rear compartment only.
7. Do not touch or allow unit to come in contact with overhead electrical wires.
8. Gasoline tank should not be filled while engine is running or hot.
9. Consult the Honda manual for operating instructions before using.
10. Do not operate Honda Engine over 3,000 RPM.
11. Do not transport without conveyor locked in position.
12. 2-5/16” receiver must be adjusted for the unit to be level
13. Do not load in excess of tire manufacturer ratings for either the 2 pack tender or the towing vehicle.
14. Towing vehicle should be of adequate capacity.
15. The total tender weight should not exceed 8,800 lbs.
16. Wheel lug nuts must be torqued to 90—120 ft-lbs.
17. Be aware of all information, caution, warning, and danger signs on the unit.
18. Be aware of hot hydraulic fluid in case of a hydraulic line break.
19. Below 10 degrees F., change hydraulic oil to SAE 5W30 motor oil.
20. The operation of this tender must comply with all federal and state laws.

2 Pack Operating Procedures

1. Un-pin pro box slide locks so the locks spring outward.
2. Load pro boxes from the side, making sure the slide gates of the pro box are outward.
3. Once pro boxes are loaded, slide lock mechanism into place and pin locking system.
4. Prior to traveling to desired location to deliver seed, make sure conveyor is locked in transport position and safety pin is in place
5. Check engine oil and fuel before starting engine.
6. Run engine and hydraulic system for 5 minutes to pre-warm hydraulic fluid prior to operating conveyor unit.
7. Display the conveyor to deliver seed.
8. Slide conveyor carriage to the front or rear position
9. Open the seed door on the pro box and on the conveyor discharge chute
10. Once the grain has entered the conveyor, turn the conveyor on and you are delivering seed.
11. Deliver the desired amount of seed required.
12. Close seed door on the pro box and on the conveyor discharge chute.
13. Store conveyor in transport position and pin in position

Always clean out bin and conveyor belt after using treated seed.

2 Pack Maintenance & Storage

Daily Check List:

-Check engine oil level (do not overfill).
-Fill gas tank for daily operation.
-Check for oil leaks.
-Check hydraulic oil level, **do not overfill** (SAE 10W30).
    -Fill full (6.5 gallons).
-Inspect for loose nuts and bolts.
-Inspect for belt alignment and belt damage.
-Inspect and check that lights are working properly.
-Inspect safety chains for damage.
-Grease top and bottom conveyor pulley bearings, refer to KSI manual.
-Check tire pressure should be 80 PSI cold.
-Check and inspect for loose wheel lug nuts, Re-torque Lug Nuts to 90-120 ft./lbs. after 250 Miles.

Seasonal Check List:

Inspect and pack wheel bearings.
Inspect for conveyor belt wear or damage.
Inspect discharge hood for excessive wear or damage, refer to KSI manual.
Grease top and bottom conveyor pulley bearings, refer to KSI manual.
Clean battery terminals.
Service Honda engine. (See Honda manual.)
Empty gas tank for seasonal storage.
Change hydraulic filter after first 50 hrs. of operation and every 300 hrs. of operation, there after.
Wash and wax to maintain powder coat finish.
Check all fasteners for tightness.

2 Pack Operation of Maintenance Meter

Multi-Function Maintenance Meter: Hour Meter, Tachometer, and Service Alarm

Hour / Tachometer: These functions are fully automatic. Upon engine start the meter will show rpm's. At engine shutdown the meter displays the total accumulated running time (which cannot be reset).

Service Alarms: This function is also fully automatic. The meter has a dual flash alert displaying "CHG OIL & LUBE" at 25 operation hour intervals. The meter will begin flashing 1 hour before the 25 hour increment, and stop flashing 1 hour after.

Note: Consult the Honda Manual for the engine's proper maintenance schedule. Also, consult this manual for the proper Seed Weigh system maintenance schedule.

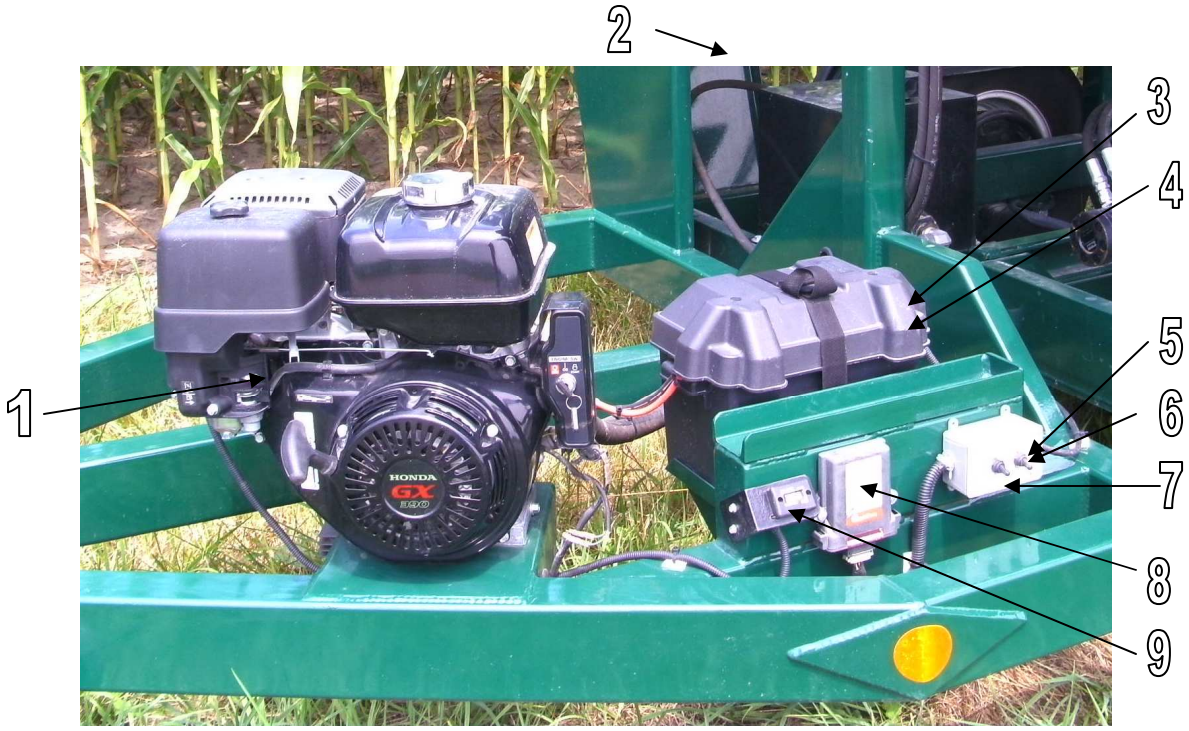
2 Pack Trouble Shooting

Problem	Cause	Test	Correction
Engine will not start	No fuel Bad connections Dead Battery Starter	Visual Meter Meter Meter	Add fuel Clean or replace Charge or replace Repair or replace
Selective hydraulic components not working (Conveyor Motor)	Hydraulic Oil Solenoid or Electrical Connections Hydraulic Components	Visual Check the meter connection or switch that is not working correctly.	Add oil Fix faulty electrical connection or switch Replace faulty hydraulic component(s)
Conveyor speed slow	Plugged oil filter Hyd. Motor bearings	Visual Visual or Heat	Replace Replace
Hydraulic oil overheating	Engine over 3,000 RPM	None	Keep engine at 3,000 RPM
Hydraulics will not operate	Blown Fuse Oil Cold Temperature	Visual	Replace 10 amp fuse behind weigh head. Add Oil Change Oil to 5W30

Hydraulics will not operate.

- Make sure the engine is running at full power.
- Check for blown fuse in battery box .
- Visually check to see that there is the correct amount of hydraulic oil; 6.5 gallons of 10W-30 oil required

2 Pack Tender Engine

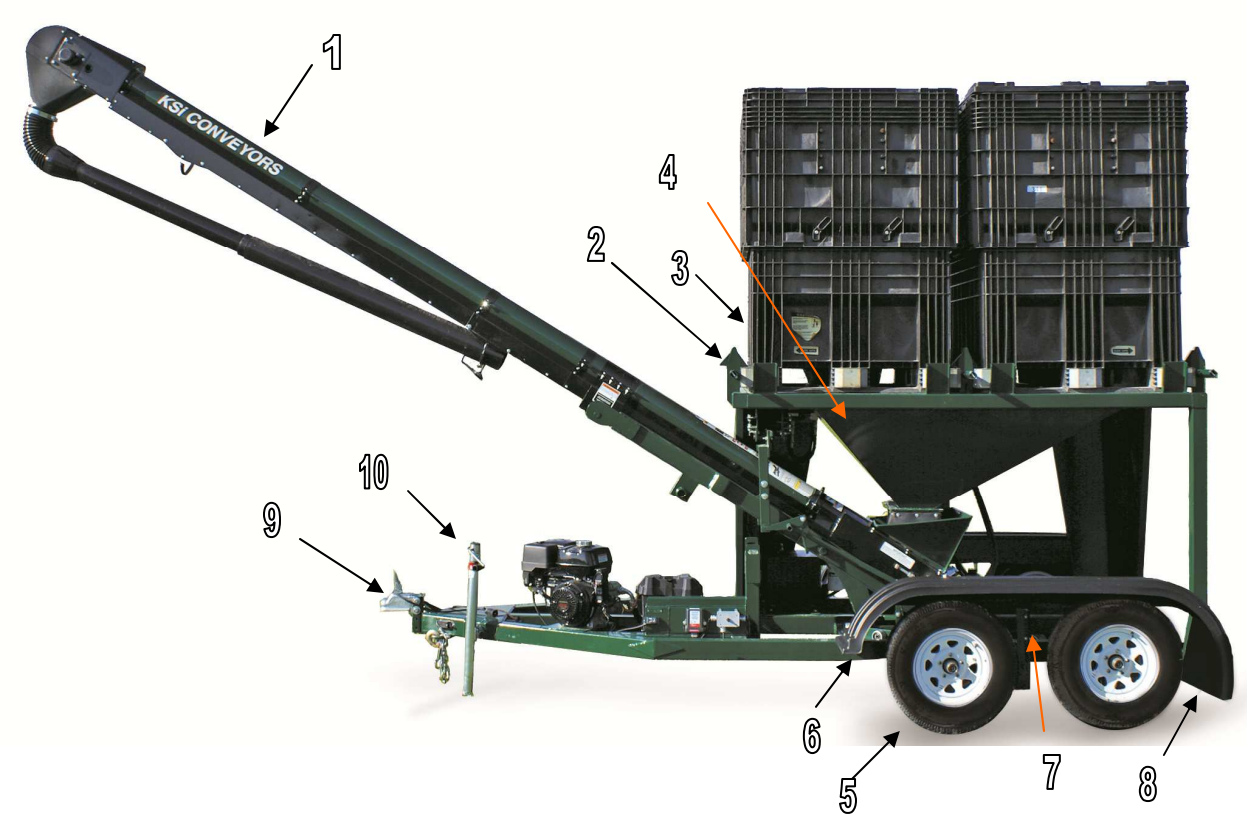


Key #	Part Number	Description
1	260004	Honda 390 Gas Engine
2	430700	Seed Weigh Hydraulic Tank
3	640254	Battery Box
4	640225	Battery
5	640022	Toggle Switch
6	640023	Toggle Switch Boot
7	630501	Weather Proof Cover
8	640177	Remote with Transmitter
9	620101	Tachometer

2 Pack Tender Frame & Body (Rear View)

Key #	Part Number	Description
1	660020	Tail light assembly kit (Includes: taillight, grommet, and pigtail plug)
2	660010	License plate light
3	660011	License plate bracket

2 Pack & Body (Front View)



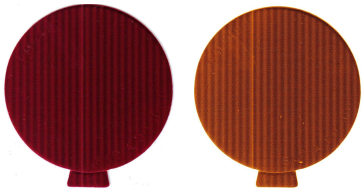
Key #	Part Number	Description
1	362106	18’ X 6” KSI Conveyor
2	270517	Pro Box locking springs
3	311300	Plastic Covers
4	270033	Handle
5	241069	Tire & Rim Assembly
6	362024	Black Poly Fender—Tandem Axle
7	GW200C-0W016	Fender Bracket Weldment
8	241204	Mud Flap
9	280057	Bumper Pull Coupler—2 5/16”
10	280100	Front Jack with wheel

2 Pack Tender Seed Tubes

Key #	Part Number	Description
1	362119	6” X 4 ft. Bulk Fill Tube

Key #	Part Number	Description
1	362120	6” - 3 Stage 6ft. - 16ft.

2 Pack Decals



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NOTICE
Thoroughly clean out unit after handling treated seed to prevent contamination of untreated seed or commercial grain.

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CAUTION
• Personal injury or property damage may occur from improper use.
• Read and understand operators manual before using this equipment.
• Phone 800 291-5487 for replacement manual.
Part No. 250063

9

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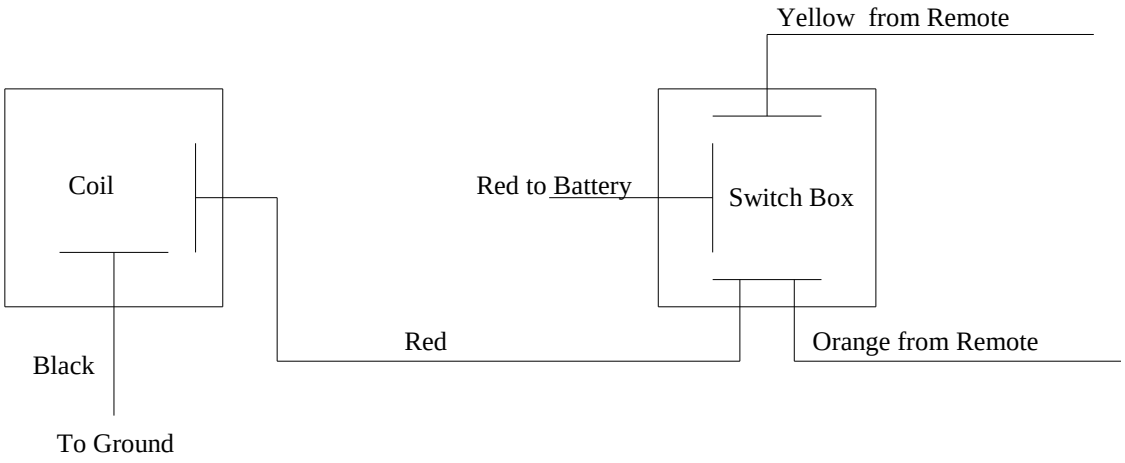
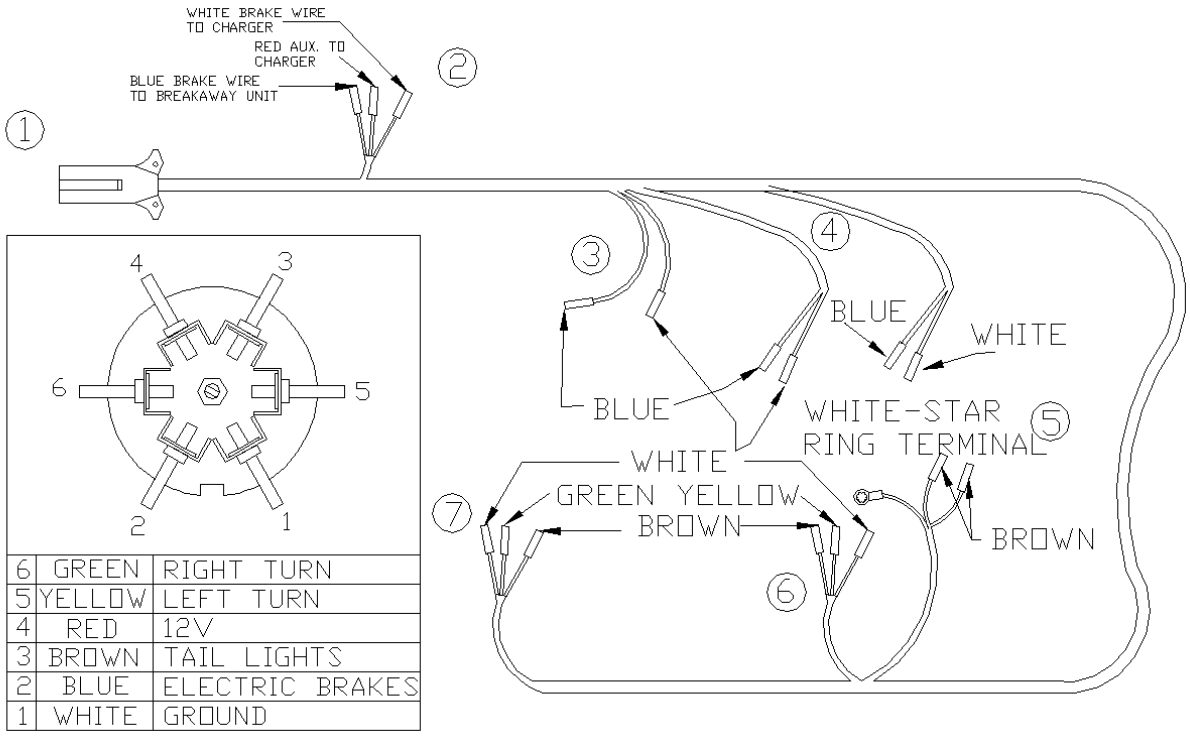
2 Pack Decals

Number:	Part Number:	Description:
1	250029	3” Round Orange Reflector
2	250030	3” Round Red Reflector
3	250051	Decal, Treated Seed
4	250112	Decal, Caution: Pinch Point
5	250105	Decal, Warning: Read User’s Manual (GW)
6	250250	Decal, Made In The USA
7	250057	Decal, Be Careful Overhead Wires (No Arrow)
8	250027	Decal, Watch Your Step
9	250063	Decal, Caution: Manual Replacement
10	250000	Decal, Par-Kan (6-1/4” X 4-1/2”)
11	250135	Decal, Keep Hands Clear
12	250150	Decal, Conveyor Must be Stowed

2 Pack Electrical Schematic for Switch Panel

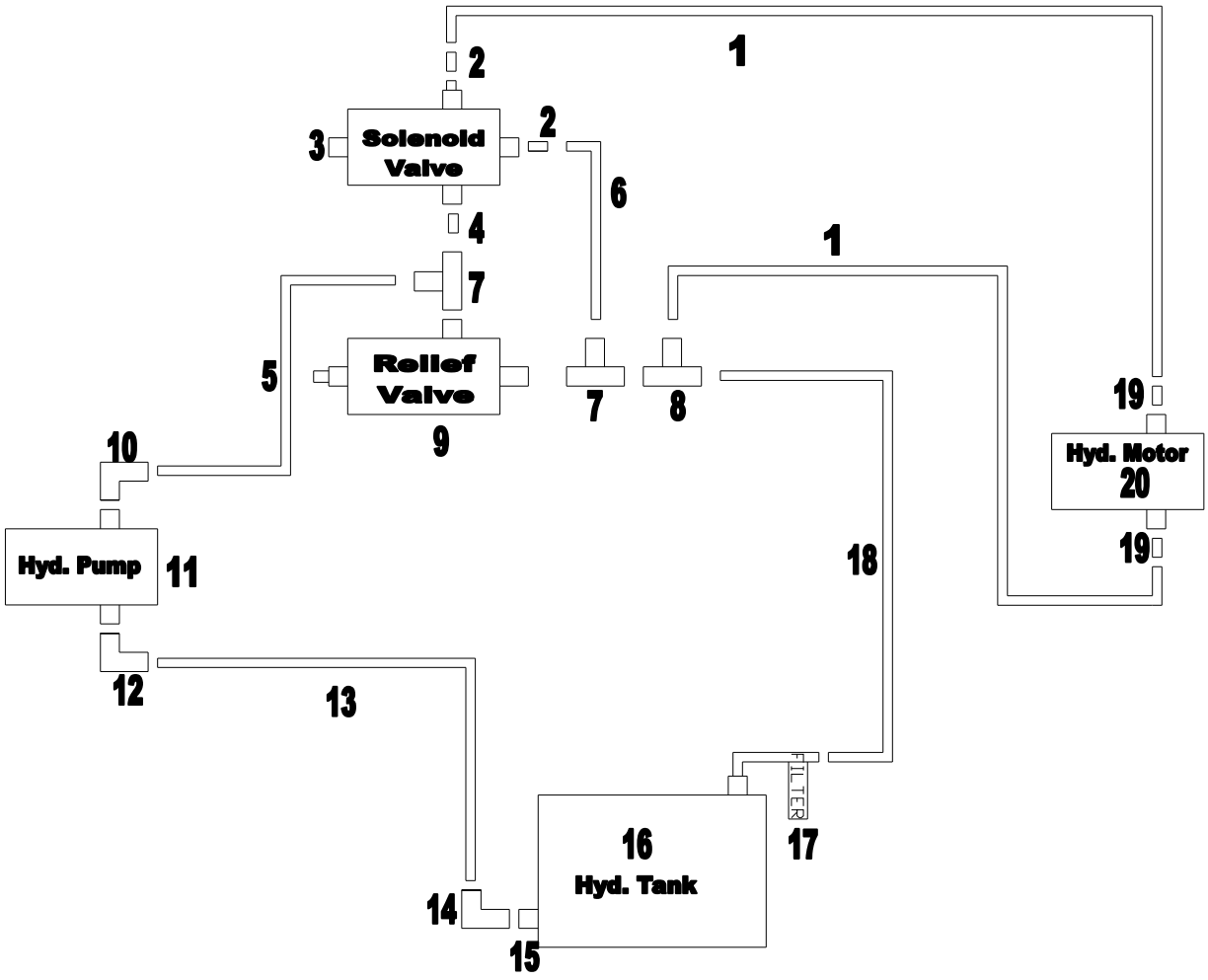


2 Pack Trailer Electrical Schematic



6	GREEN	RIGHT TURN
5	YELLOW	LEFT TURN
4	RED	12V
3	BROWN	TAIL LIGHTS
2	BLUE	ELECTRIC BRAKES
1	WHITE	GROUND

2 Pack Hydraulic System



2 Pack Hydraulic Parts Listing

Key #	Part Number	Description
1	410058	Hose, 96.00” Long
2	420127	FITTING, 8F5OXS ST. TH CONNECTOR
3	440026	VALVE, 3WAY 12VDC CART
4	420126	FITTING, 8F65OXS SWIVEL 37 DEG SAE ST TH
5	410050	HOSE, 174.00 Long
6	410017	Hose, 18.00” Long
7	420091	FITTING, TEE 6R5OX-S
8	420129	FITTING, TEE 9/16JICF X 9/16JICM X 9/16
9	440025	VALVE RELIEF
10	420125	FITTING, 8C5OXS ST TH ELBOW
11	430044	PUMP, GEAR ALP1AD11
12	420124	FITTING, 1610F5OXS ST .TH CONNECTOR
13	410052	Hose, 57.00” Long
14	420123	FITTING, 16CTXS MALE ELBOW
15	440615	Hydraulic Strainer
16	430700	Hyd. Tank
17	440611	Hydraulic Oil Filter with Spin on Cartridge
18	410103	Hose, 198.00” Long
19	420128	FITTING, 810F5OXS ST THE CONNECTOR
20	430074	MOTOR, CONVEYOR

2 Pack Towing Safety Appendix

Towing the 4 pack is designed to be safe if some basic precautions are taken. It is your responsibility to make sure these procedures are followed for the safety of yourself and others on the road. In addition, due to the variety of laws you should check local and/or state requirements.

Some common reasons for towing accidents include the following:

- Failure to properly connect the coupler and/or safety chains.
- Overloading trailer, towing vehicle, or safety devices.
- Towing with excessive speeds.
- Damaged or improperly maintained towing equipment.

Items to consider before towing the 4 Pack unit:

-You should check the payload rating on your towing vehicle(s), and equipment to ensure they can meet the requirements of pulling our trailer.

- Regular inspections should be made to safeguard against failure due to damaged towing and safety equipment. Some of these items include safety chains, hydraulic brake system, and turn signals / taillights.
If one or more of the links or fittings on the safety chain is stretched, broken, or deformed it should be replaced. Always replace entire chain assembly.

- Safety chains shall be connected to the towing vehicle and trailer so that the slack for each length of chain is approximately the same when the vehicles are aligned on a common front to rear centerline. There shall be no more slack than necessary to permit proper turning of the vehicles. The safety chains shall be crossed under the trailer tongue and connected to the hitch assembly or to other towing vehicle members.

Note: Crossing the chains under the tongue typically reduces the probability of stressing or breaking the chains when turning.

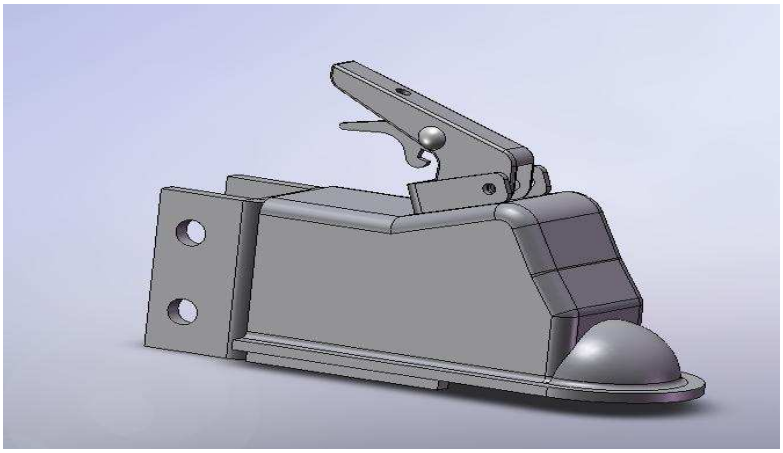


Figure 3 – Standard Ball Coupler 2 5/16” Part #280057

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